PROJECT NUMBER: 1313
PROJECT TITLE: Semiworks Process Development
PROJECT LEADER: W. G. Sanderson
PERIOD COVERED: April, 1988

A. **Objective**: Provide engineering and technical support to improve the performance and efficiency of the Semiworks operation.

B. **Results**:

Bright Casing Application System - Semiworks Primary (Nguyen) - The installation of a second bright casing application system was completed. This system, which is identical to the original bright casing application system, will be used primarily as a standby unit. The availability of a second system will provide improved flexibility for bright casing application and reduced downtime between the application of dissimilar flavors.

Aftercut Flavor Application - Semiworks Primary (Nguyen) - A manual detailing the operating procedures for the aftercut flavor application system was issued. This manual contains operating standards, flow meter calibration procedures, cleaning requirements, system lay-out diagrams, and control logic schematics. Detailed operating procedures for training purposes are also included.

Optical Inspection System - Dual Ring Tipper (Osmalov) - P.M. U.S.A. Engineering presented a proposal for the installation of an optical inspection system for the dual ring tipper in Semiworks make/pack. Mechanical design work is in progress for the double rolling of the tipped cigarette (to allow the optical inspector a full 360 degree view of the cigarette) and for a mechanism to eject defective product. Engineering expects to have the mechanical components designed, fabricated, and evaluated on the machine by the end of July, 1988.

C. **Plans**: Continue with the preparations for the mixing cylinder/second aftercut flavor application system conversion. Transfer the technology developed for the TLA primary process to the Semiworks small scale primary operation. Continue recessed filter development work and support for the on-line laser perforator for product development.

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